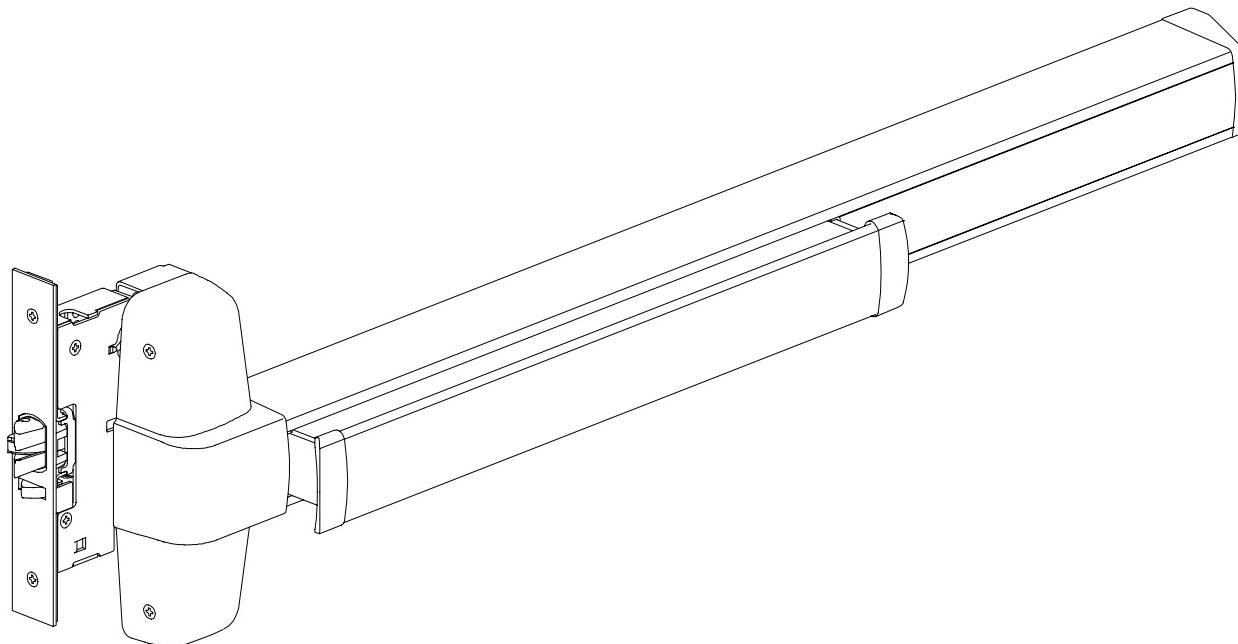


VON DUPRIN® PARTS MANUAL

JUNE 2005

98/9975 MORTISE LOCK EXIT DEVICES



PM989975_B
VD-GN-1033

IR Security & Safety
Proven Source. Proven Solutions.™

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INTRODUCTION

This manual contains a listing of replaceable parts and assemblies for the 98/9975 Exit Hardware Devices. 98 Series and 99 Series devices are almost identical. The 99 Series has a grooved case; the 98 Series has a smooth case.

HOW TO ORDER

Some parts are sold separately. Other items are available as part of a kit or multiple quantity package. For the best possible service when ordering replacement parts or assemblies, please provide the following information:

- Part number or assembly number
- Description
- Quantity needed
- Finish desired (if available finished)
- Date of original purchase (if known)

To find out the name of your local Von Duprin distributor or sales representative, contact:

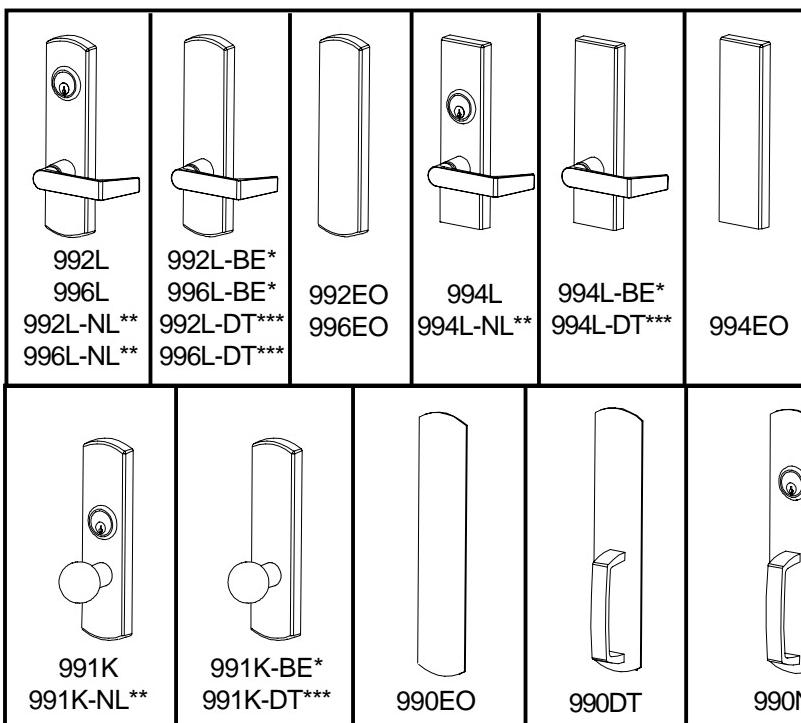
Von Duprin Division
Ingersoll-Rand Company
2720 Tobey Drive
Indianapolis, Indiana 46219
Phone: (800) 999-0408
Fax: (800) 999-0328
Website: www.vonduprin.com

PART NUMBER CHANGES

This manual reflects the product as sold in June 2005. Because of changes to the product and/or manufacturing process, part numbers can change.

98/99 SERIES FINISHES

OUTSIDE TRIM FUNCTIONS



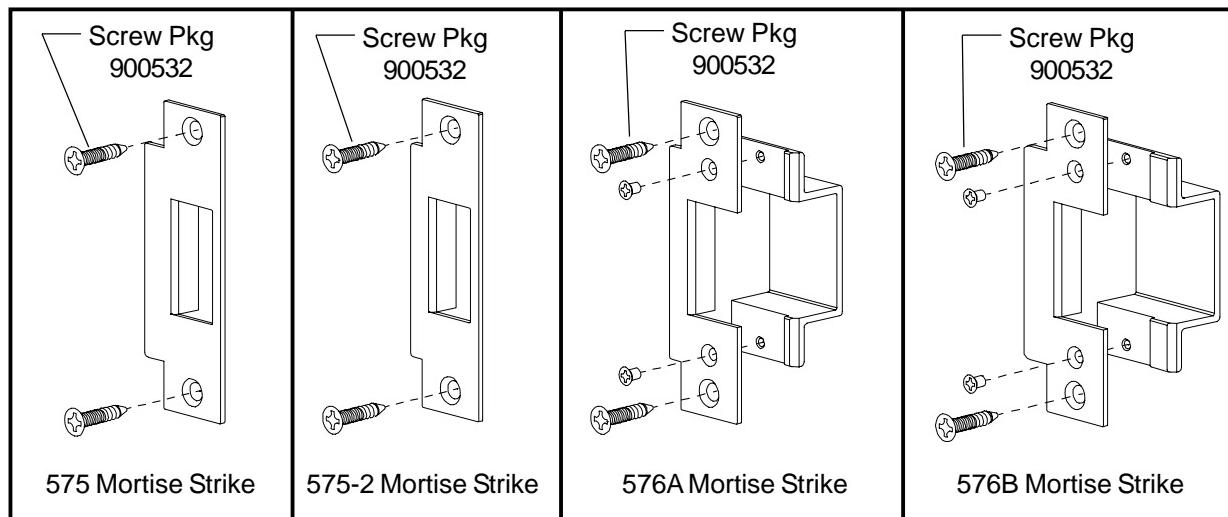
* "BE" (Blank Escutcheon) no cylinder used - lever always active

** "NL" (Night Latch) rigid lever - key retracts latch bolt

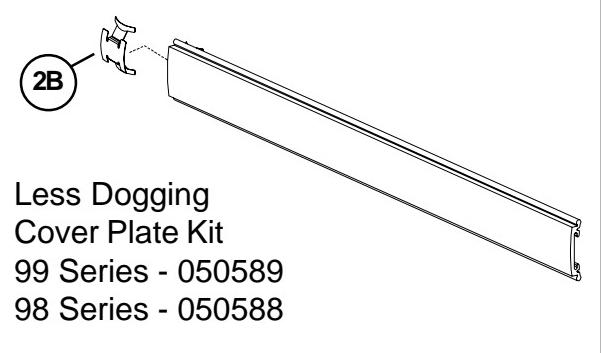
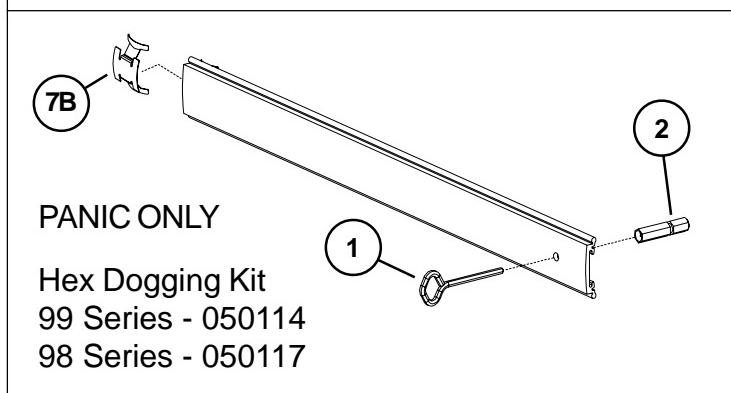
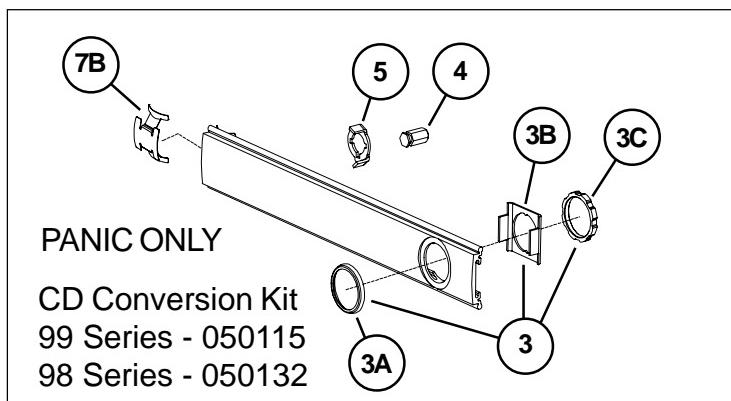
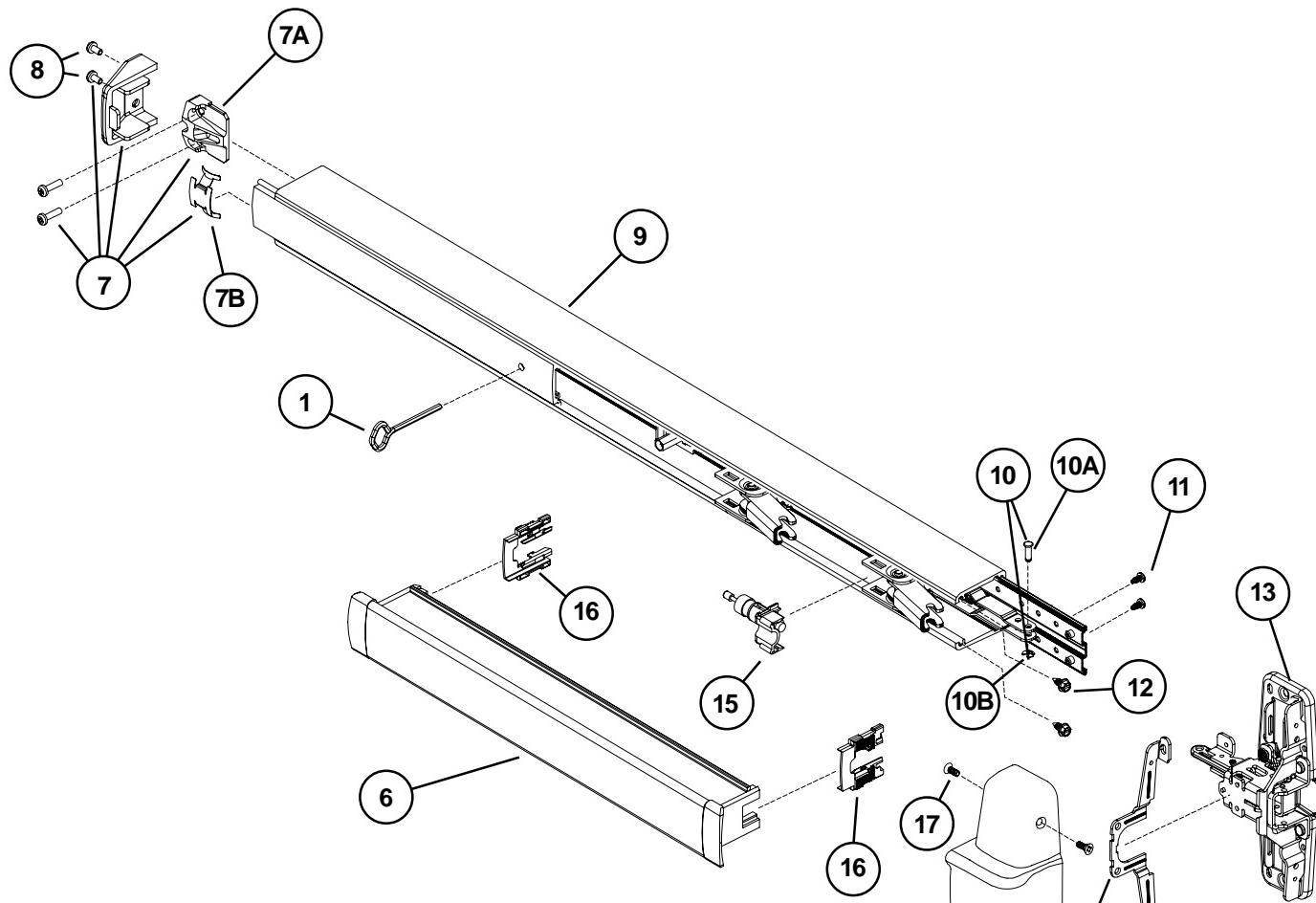
*** "DT" (Dummy Trim) rigid lever for pull operation

**** "OP" (Optional Pull) needs to be added

MORTISE STRIKES



98/9975 MORTISE PANIC DEVICE



98/9975 MORTISE PANIC DEVICE

Item No.	Quantity	Part No.	Description	Finish
	1	900561	98/99 Series Mounting Pkg. (1-3/4 & 2-1/4)	
1	1	090085	227 Dog Key 5/32" Hex (Pkg of 10)	
1	1	090005	227 Dog Key 5/32" Hex (Pkg of 2)	
2	1	090040	Hex Dog Shaft (Pkg of 2)	
3	1	107813	Cylinder Mounting Pkg	X
3A	1	050525	Cylinder Collar	X
3B	1	050490	Cylinder Locating Washer - CD/SS	
3C	1	050526	Cylinder Locknut	
4	1	090046	CD Dogging Plug (Pkg of 2)	
5	1	090045	CD Actuator Arm (Pkg of 2)	
6	1	*PBKIT	98/99 Series Push Bar Retrofit Kit - 3' Door	X
6	1	*PBKIT	98/99 Series Push Bar Retrofit Kit - 4' Door	X
7	1	050014	98/99 Series End Cap Kit	X
7A	1	050524	Impact Resistant End Cap Bracket	
7B	1	090036	Cover Plate Anti-rattle Spring (Pkg of 10)	
8	1	900597	Device End Cap and C/Case Screw Pkg.	X
9	1	968144	99 Series Mechanism Case - 3' Door	X
9	1	968146	99 Series Mechanism Case - 4' Door	X
9	1	970191	98 Series Mechanism Case - 3' Door	X
9	1	970192	98 Series Mechanism Case - 4' Door	X
10	1	050529	98/99 Series Control Link Pin & Ret. Ring	
10A	1	090031	98/99 Series Control Link Pin (Pkg of 10)	
10B	1	090107	Retaining Ring (Pkg of 10)	
11	2	090037	#8-32 x 3/8" Baseplate Screw (Pkg of 10)	
12	2	090073	Mechanism Case Bracket Screw (Pkg of 10)	
13***	1	050023	98/9975 Center Case Less Cover	
14**	1	050073	98/9975 Center Case Cover Kit	X
15	1	050491	Shock Absorber & Holder Assembly	
16	2	090049	Push Bar Guide (Pkg of 10)	
17	4	900892	Center Case Cover Screws (Pkg of 4)	X
18	1	050564	Center Case Cover Bracket	

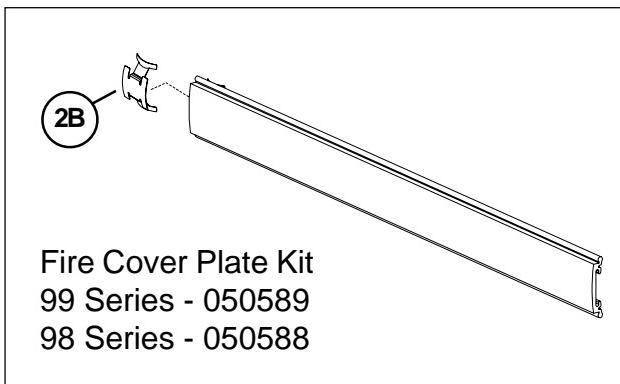
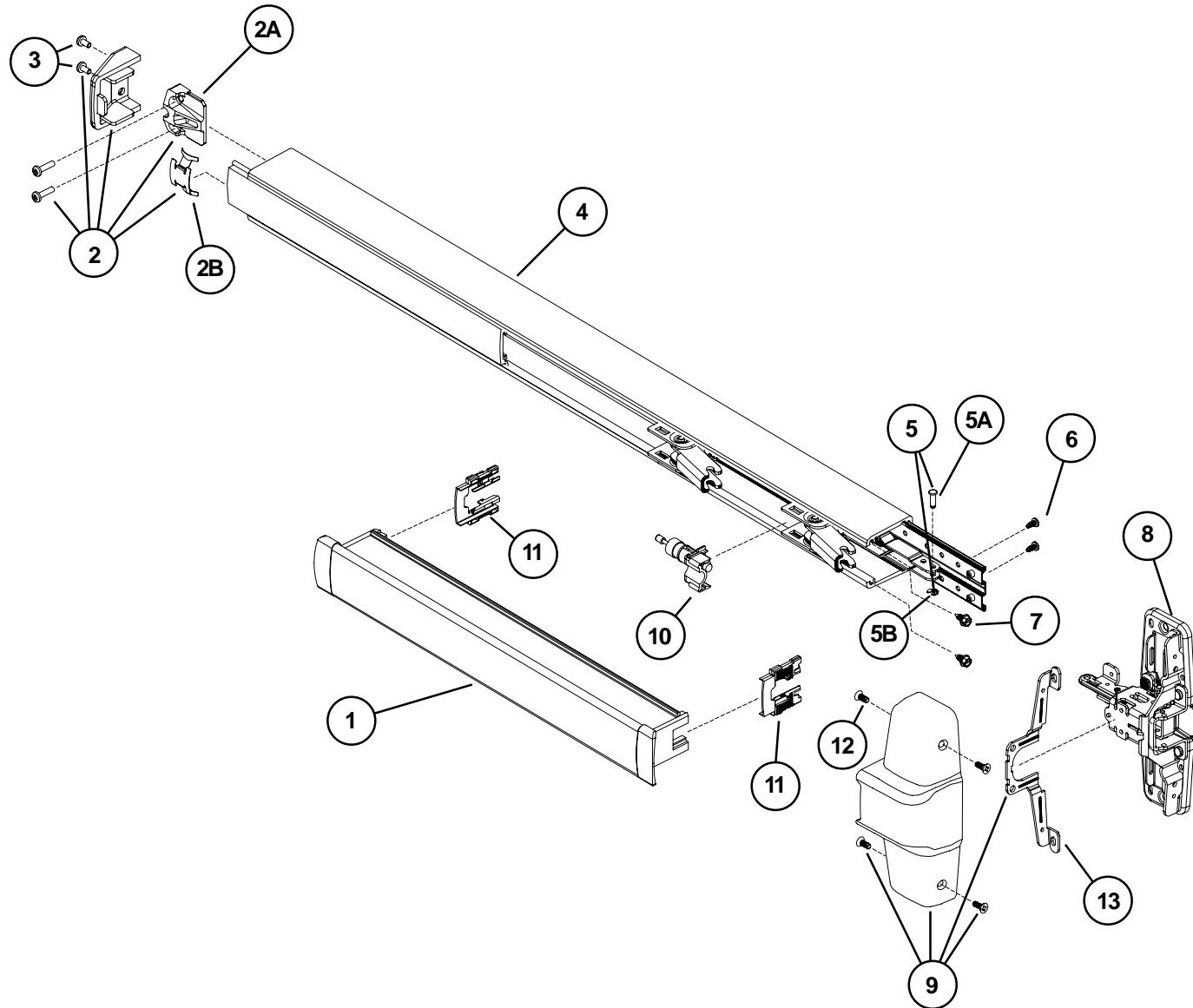
X in "Finish" column designates finished items; finish must be specified when ordering.

* To order, specify device type, size, and finish. Example: PBKIT 98 3' US28

**Includes parts for three piece cover conversion

***Center case assembly parts shown on page 9.

98/9975-F FIRE DEVICE



98/9975-F FIRE DEVICE

Item No.	Quantity	Part No.	Description	Finish
	1	900561	98/99 Series Mounting Pkg. (1-3/4 & 2-1/4)	
1	1	*PBKIT	98/99 Series Push Bar Retrofit Kit - 3' Door	X
1	1	*PBKIT	98/99 Series Push Bar Retrofit Kit - 4' Door	X
2	1	050014	98/99 Series End Cap Kit	X
2A	1	050524	Impact Resistant End Cap Bracket	
2B	1	090036	Cover Plate Anti-rattle Spring (Pkg of 10)	
3	1	900597	Device End Cap and C/Case Screw Pkg.	X
4	1	968144	99 Series Mechanism Case - 3' Door	X
4	1	968146	99 Series Mechanism Case - 4' Door	X
4	1	970191	98 Series Mechanism Case - 3' Door	X
4	1	970192	98 Series Mechanism Case - 4' Door	X
5	1	050529	98/99 Series Control Link Pin & Ret. Ring	
5A	1	090031	98/99 Series Control Link Pin (Pkg of 10)	
5B	1	090107	Retaining Ring (Pkg of 10)	
6	2	090037	#8-32 x 3/8" Baseplate Screw (Pkg of 10)	
7	2	090073	Mechanism Case Bracket Screw (Pkg of 10)	
8***	1	050023	98/9975 Center Case Less Cover	
9**	1	050073	98/9975 Center Case Cover Kit	X
10	1	050491	Shock Absorber & Holder Assembly	
11	2	090049	Push Bar Guide (Pkg of 10)	
12	4	900892	Center Case Cover Screws (Pkg of 4)	X
13	1	050564	Center Case Cover Bracket	

X in "Finish" column designates finished items; finish must be specified when ordering.

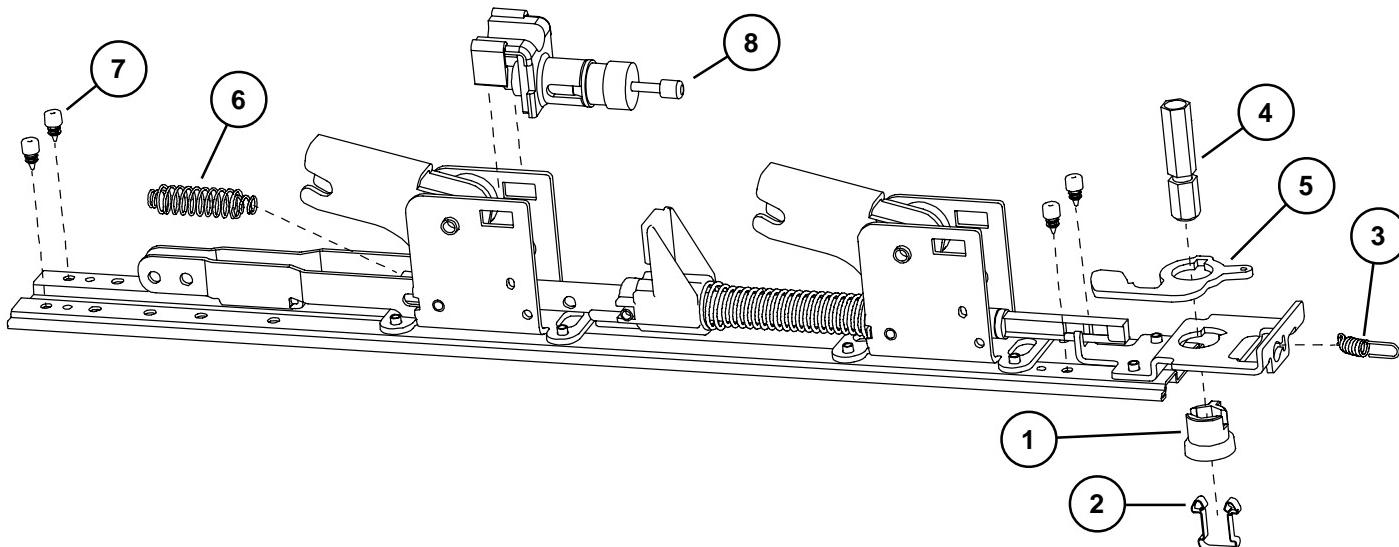
* To order, specify device type, size, and finish. Example: PBKIT 98 3' US28

**Includes parts for three piece cover conversion

***Center case assembly parts shown on page 9.

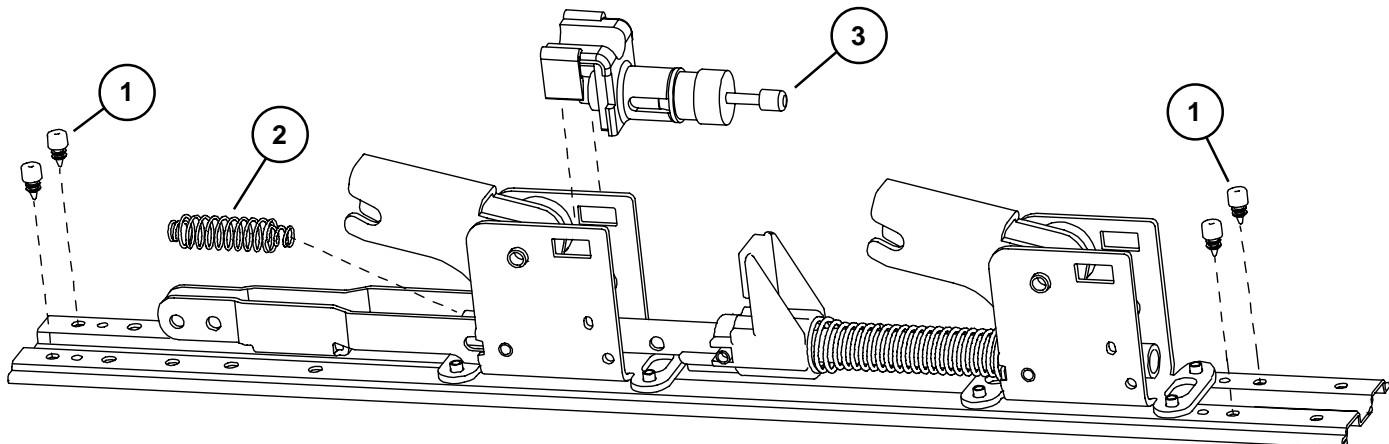
98/9975 PANIC DEVICE BASEPLATE ASSEMBLY

Item No.	Quantity	Part No.	Description	Finish
1	1	090043	Dogging adapter (Pkg of 2)	
2	1	090042	Dogging adapter spring (Pkg of 2)	
3	1	090041	Dogging spring (Pkg of 2)	
4	1	090040	Hex dogging shaft (Pkg of 2)	
5	1	090044	Dogging hook (Pkg of 2)	
6	1	090039	Latch return spring (Pkg of 10)	
7	4	090038	Rubber bumper (Pkg of 4)	
8	1	050491	Shock absorber	



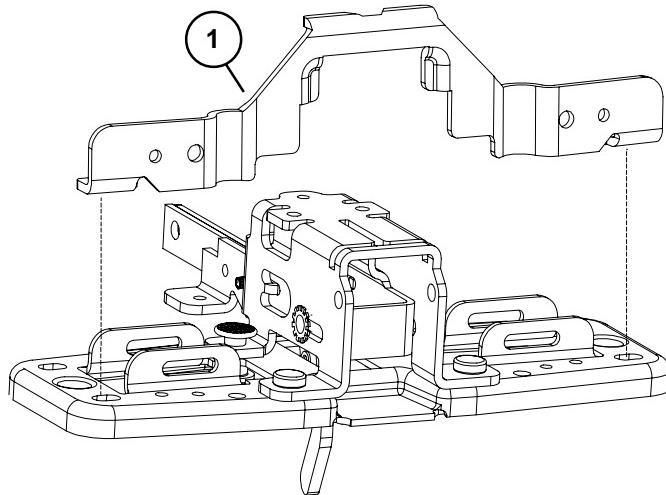
98/9975-F FIRE DEVICE BASEPLATE ASSEMBLY

Item No.	Quantity	Part No.	Description	Finish
1	4	090038	Rubber bumper (Pkg of 4)	
2	1	090039	Latch return spring (Pkg of 10)	
3	1	050491	Shock absorber	



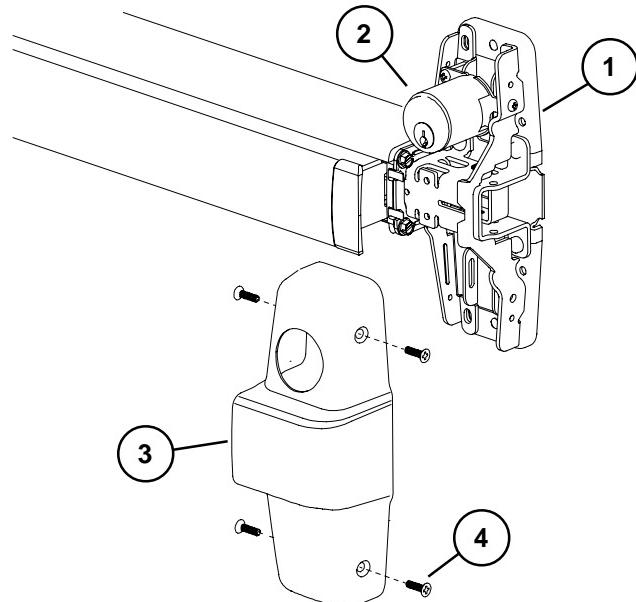
98/9975 DEVICE CENTER CASE ASSEMBLY

Item No.	Quantity	Part No.	Description	Finish
1	1	050565	Center Case Reinforcing Bracket	



98/9975-2 & 98/9975-F-2 DOUBLE CYLINDER OPTION

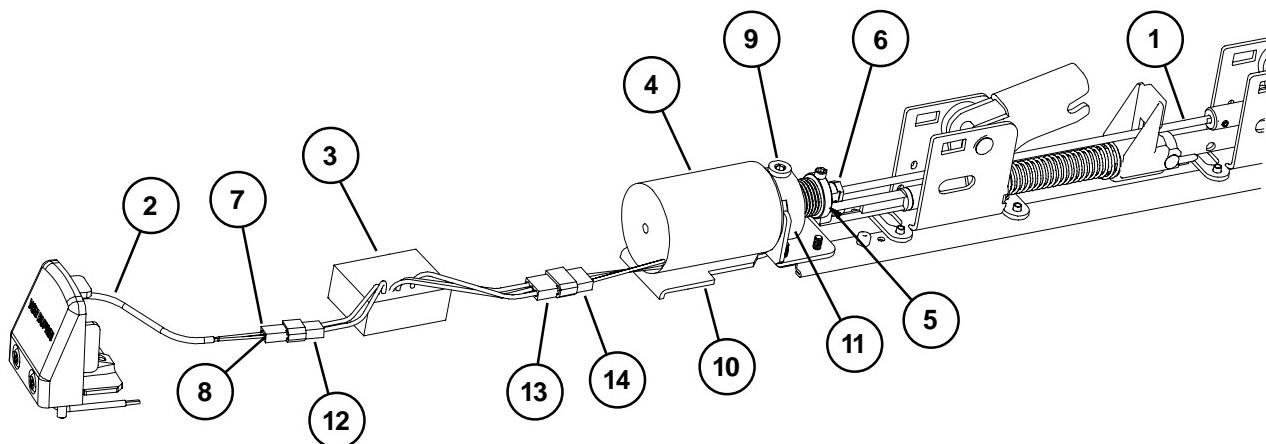
Item No.	Quantity	Part No.	Description	Finish
1	1	050029	98/9975-2 RHR Center Case Less Cover	
1	1	050030	98/9975-2 LHR Center Case Less Cover	
2	1	113100	98/99 Rim Double Cyl. Adapter Assembly -LH	X
2	1	113101	98/99 Rim Double Cyl. Adapter Assembly -RH	X
3	1	050557	98/9975-2/SD RHR Center Case Cover Kit	X
3	1	050558	98/9975-2/SD LHR Center Case Cover Kit	X
4	4	900892	Center Case Cover Screws (Pkg of 4)	X



HD-EL9875/HD-EL9975 HEX DOGGING/ELECTRIC LATCH RETRACTION OPTION

Item No.	Quantity	Part No.	Description	Finish
1	1	050531	EL Dogging Rod Kit - 3' Device	
1	1	050532	EL Dogging Rod Kit - 4' Device	
2	1	110388	EL 6' Cable and Connector	
3	1	050534	EL Potted Circuit Breaker	
4	1	050536	HD-EL Solenoid	
5	1	050537	HD-EL Solenoid Plunger	
6	1	050538	EL Dogging Rod Retainer	
7	1	050539	EL Receptacle Connector - 2 Position	
8	2	050540	EL Female Terminal	
9	1	050541	HD-EL Dog Screw	
10	1	050542	HD-EL Solenoid Bracket	
11	1	050543	HD-EL Dogging Spring	
12	1	990599	EL Plug Connector - 2 Position	
13	1	990857	EL Receptacle Connector - 3 Position	
14	1	990858	EL Plug Connector - 3 Position	
*	1	050384	HD-EL Conversion Kit - 3'	
*	1	050385	HD-EL Conversion Kit - 4'	

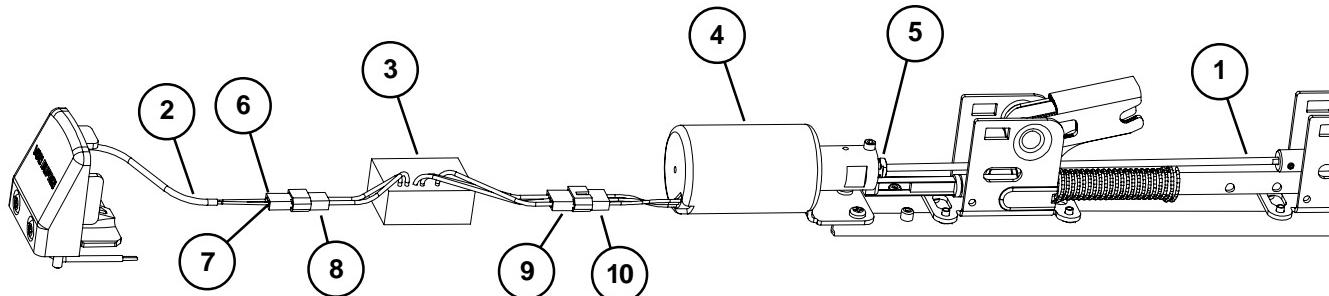
*Kit includes items 1-11 plus new control link, retaining ring, and baseplate screws.



EL9875/EL9975 SERIES ELECTRIC LATCH RETRACTION OPTION

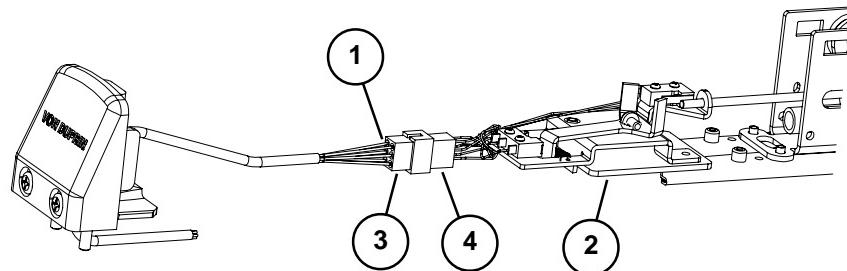
Item No.	Quantity	Part No.	Description	Finish
1	1	050531	EL Dogging Rod Kit - 3' device	
1	1	050532	EL Dogging Rod Kit - 4' device	
2	1	110388	EL 6' Cable and Connector	
3	1	050534	EL Potted Circuit Breaker	
4	1	050535	EL Solenoid Assembly	
5	1	050538	EL Dogging Rod Retainer	
6	1	050539	EL Receptacle Connector	
7	2	050540	EL Female Terminal	
8	1	990599	EL Plug Connector - 2 Position	
9	1	990857	EL Receptacle Connector - 3 Position	
10	1	990858	EL Plug Connector - 3 Position	
*	1	050070	EL Conversion Kit - 3'	
*	1	050078	EL Conversion Kit - 4'	

*Kit includes items 1-7 plus new control link pin, retaining ring, and baseplate screws.

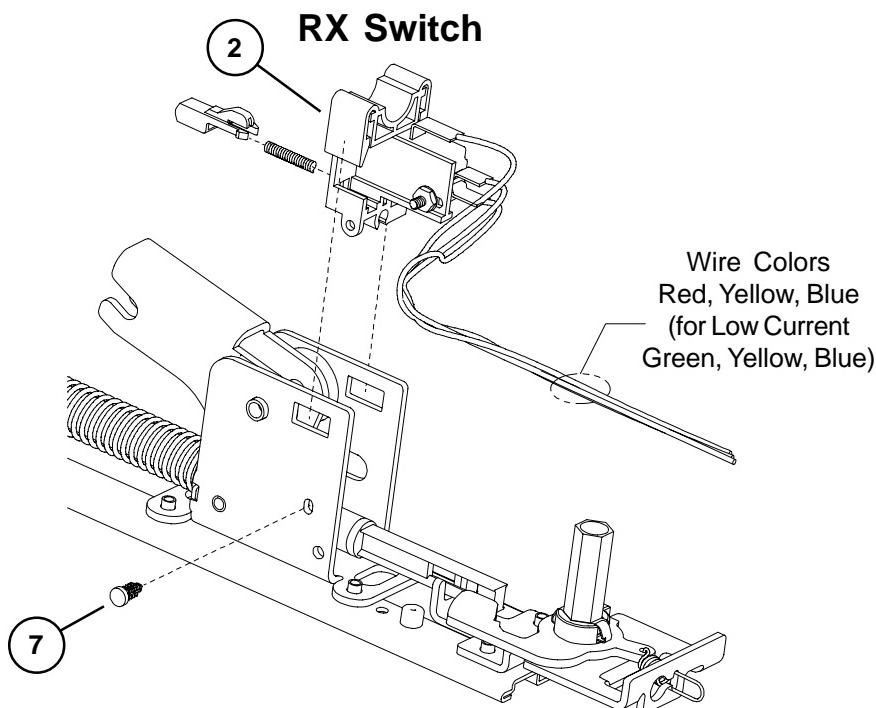
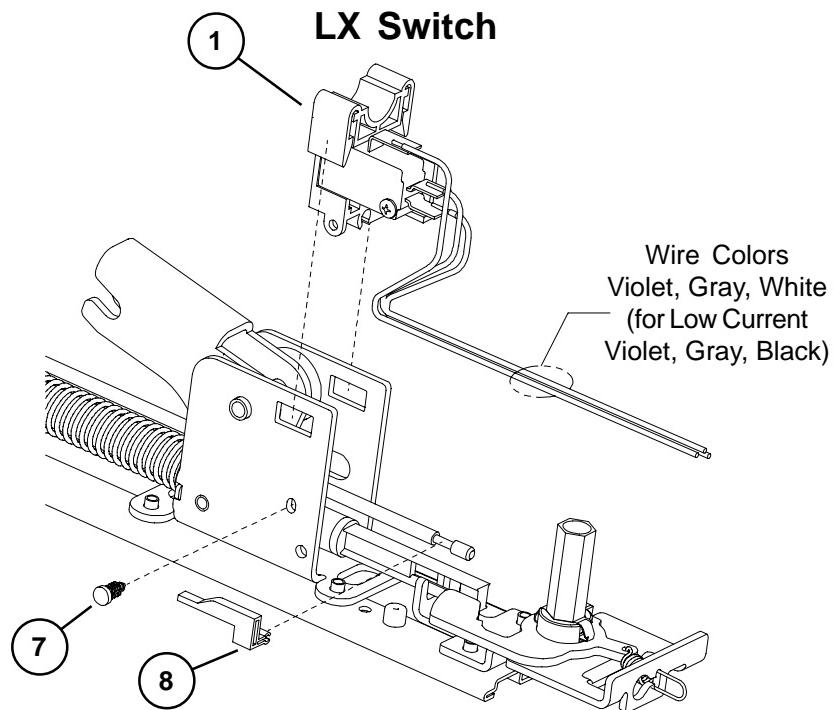


SS9875/SS9975 SERIES (SIGNAL SWITCH) OPTION

Item No.	Quantity	Part No.	Description	Finish
1	1	050544	SS Cable	
2	1	050545	SS Housing	
3	1	990601	SS Plug Connector - 6 Position	
4	1	990602	SS Receptacle Connector - 6 Position	

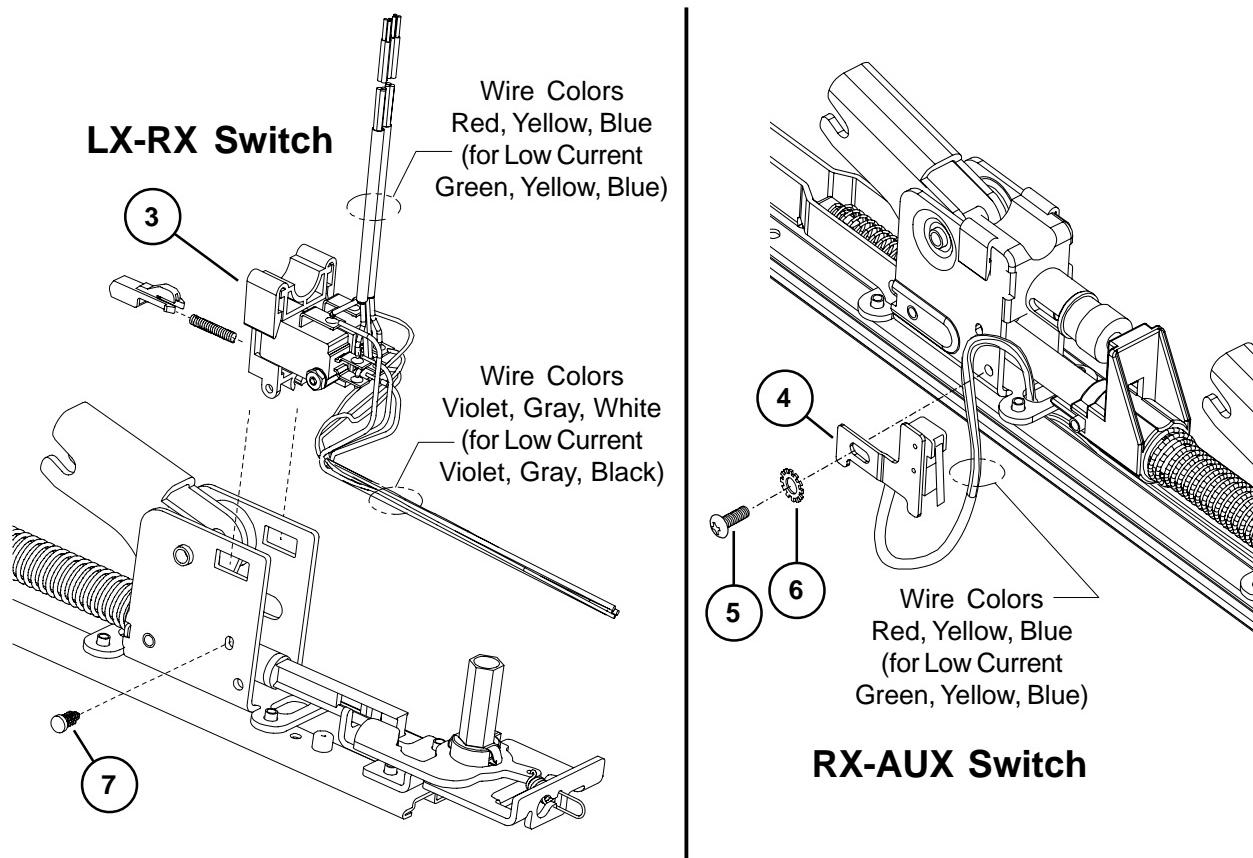


98/99 SERIES LX (LATCH BOLT MONITOR) & RX (REQUEST TO EXIT) OPTIONS



98/99 SERIES LX (LATCH BOLT MONITOR) & RX (REQUEST TO EXIT) OPTIONS

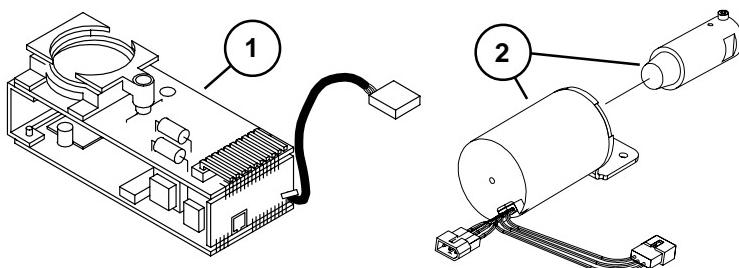
Item No.	Quantity	Part No.	Description	Finish
1	1	050254	LX Switch Kit 3' Device	
1	1	050255	LX Switch Kit 4' Device	
1	1	050247	LX-EL Switch Kit	
1	1	050283	LX-LC (Low Current) Switch Kit 3' Device	
1	1	050285	LX-LC (Low Current) Switch Kit 4' Device	
1	1	050287	LX-LC-EL (Low Current) Switch Kit	
2	1	050251	RX Switch Kit	
2	1	050281	RX-LC (Low Current) Switch Kit	
3	1	050256	LX-RX Switch Kit 3' Device	
3	1	050257	LX-RX Switch Kit 4' Device	
3	1	050259	LX-RX-EL Switch Kit	
3	1	050289	LX-RX-LC (Low Current) Sw. Kit 3' Device	
3	1	050291	LX-RX-LC (Low Current) Sw. Kit 4' Device	
3	1	050293	LX-RX-LC-EL (Low Current) Switch Kit	
2 & 4	1	050270	RX-2 Switch Kit	
4	1	050271	RX-AUX Switch Kit	
5	1	964558	8-32 x 5/16" PPHMS	
6	1	964019	#8 Washer	
7	1	090099	Pine Tree Clip (Pkg of 10)	
8	1	971091	LX Actuator	



CX98/99 SERIES CHEXIT AND CX-RCM OPTION

Item No.	Quantity	Part No.	Description	Finish
1	1	050228	CheXit PCB Kit - 15 Second Release	
1*	1	050700	CheXit PCB Kit - 30 Second Release	
1	1	050701	CheXit PCB Kit - 0 Second Release	
1	1	050702	CheXit PCB Kit - Boca 15 Second Release	
1*	1	050703	CheXit PCB Kit - Boca 30 Second Release	
2	1	050533	CX Solenoid and Plunger	
3	1	113111	Faceplate and Adapter	X
4	4	963898	6-32 x 3/8" OPHMS Faceplate Screws	X
5	1	991338	RCM 3 Wire RX Cable	
6	1	991339	RCM 2 Wire Solenoid Cable	
7	1	112018	CheXit Wiring Assembly	
8	1	991336	CX-RCM Cable Assy - 5 Wire	
9	1	090036	Cover Plate Anti-rattle Spring (Pkg of 10)	
10	1	970513	LED Cover Mask - CheXit	
11	1	970519	LED Cover - CheXit	
12	1	113781	Sign 15 Second - CheXit	
13	1	113782	Sign 30 Second - CheXit	

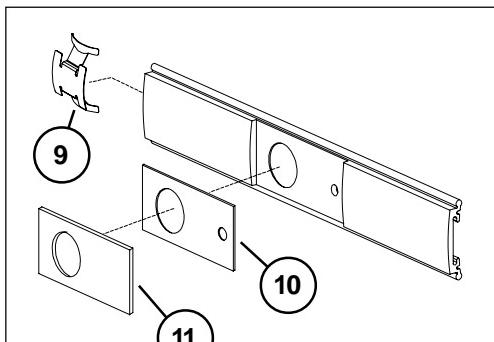
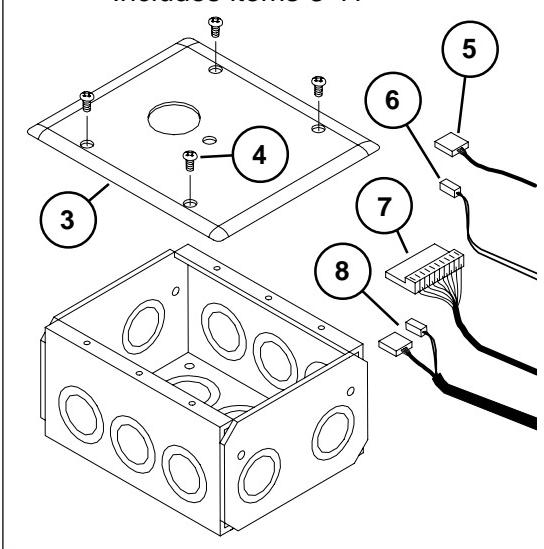
*Over 15 seconds delay requires a letter of approval from authority having local jurisdiction.
Fax letter in with sales order. The order cannot be processed without the letter.



**RCM Kit Less Module - CX98 - 050376

**RCM Kit Less Module - CX99 - 050375

**Includes items 3-11



CX Cover Plate Kit
33A Series - 050669
35A Series - 050670

12
13

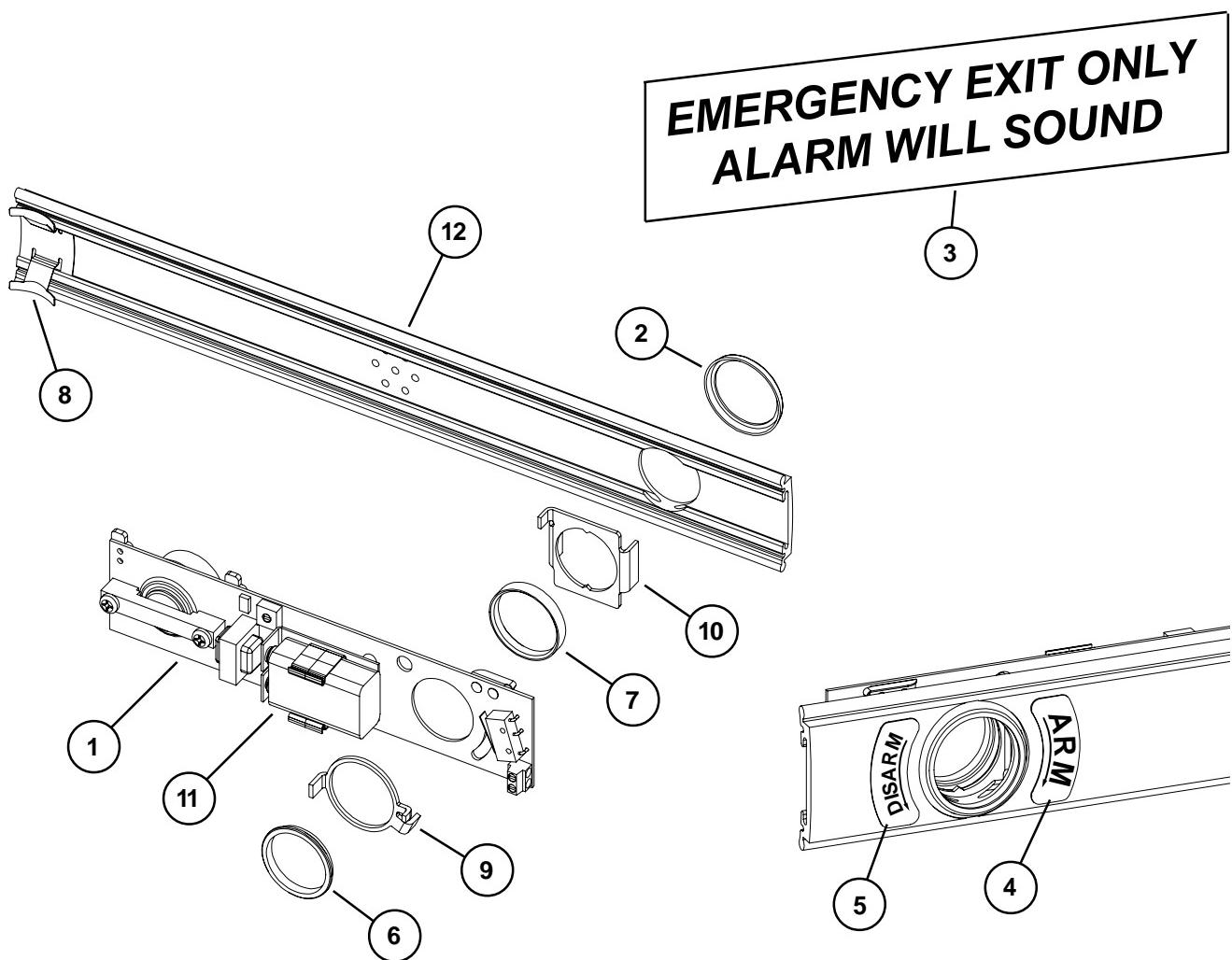
PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 15 SECONDS

PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 30 SECONDS

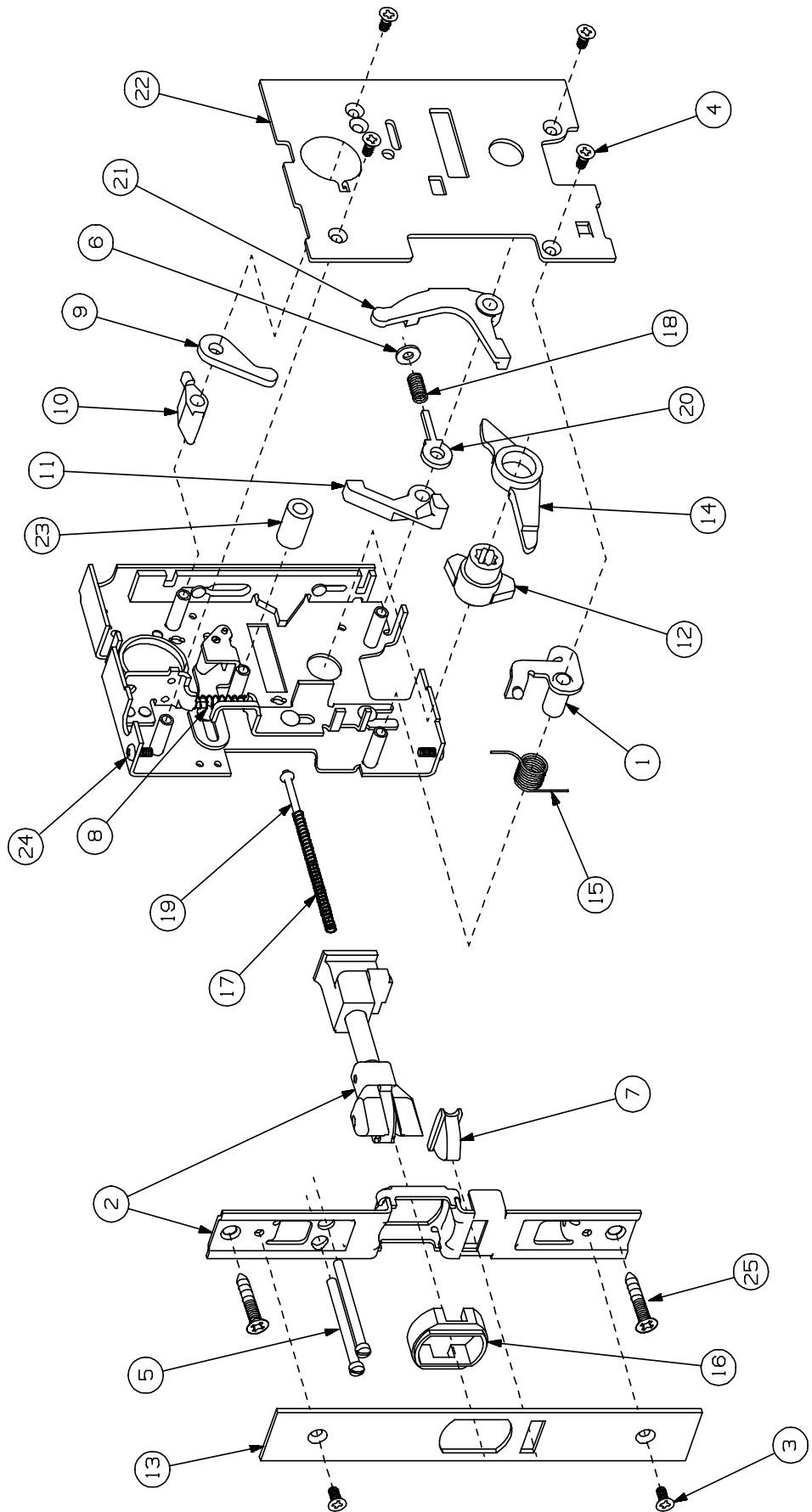
98/99 ALK EXIT ALARM KIT

Item No.	Quantity	Part No.	Description	Finish
1	1	111795	ALK PCB Assembly	
2	1	050525	Cylinder Collar	X
3	1	969122	ALK Alarm Device Sign	
4	1	969349	ALK Arming Label	
5	1	969350	ALK Disarming Label	
6	1	969354	Retainer Nut	
7	1	970594	ALK Cylinder Spacer	
8	1	090036	Cover Plate Anti-rattle spring (Pkg of 10)	
9	1	971556	ALK Switch Actuator	
10	1	971557	ALK Cylinder Bracket	
11	1	990637	ALK Battery	
12	1	050569	99 Series ALK Cover Plate Kit	X
12	1	050570	98 Series ALK Cover Plate Kit	X

X in "Finish" column designates finished items; finish must be specified when ordering.



7500 MORTISE LOCK



7500 MORTISE LOCK

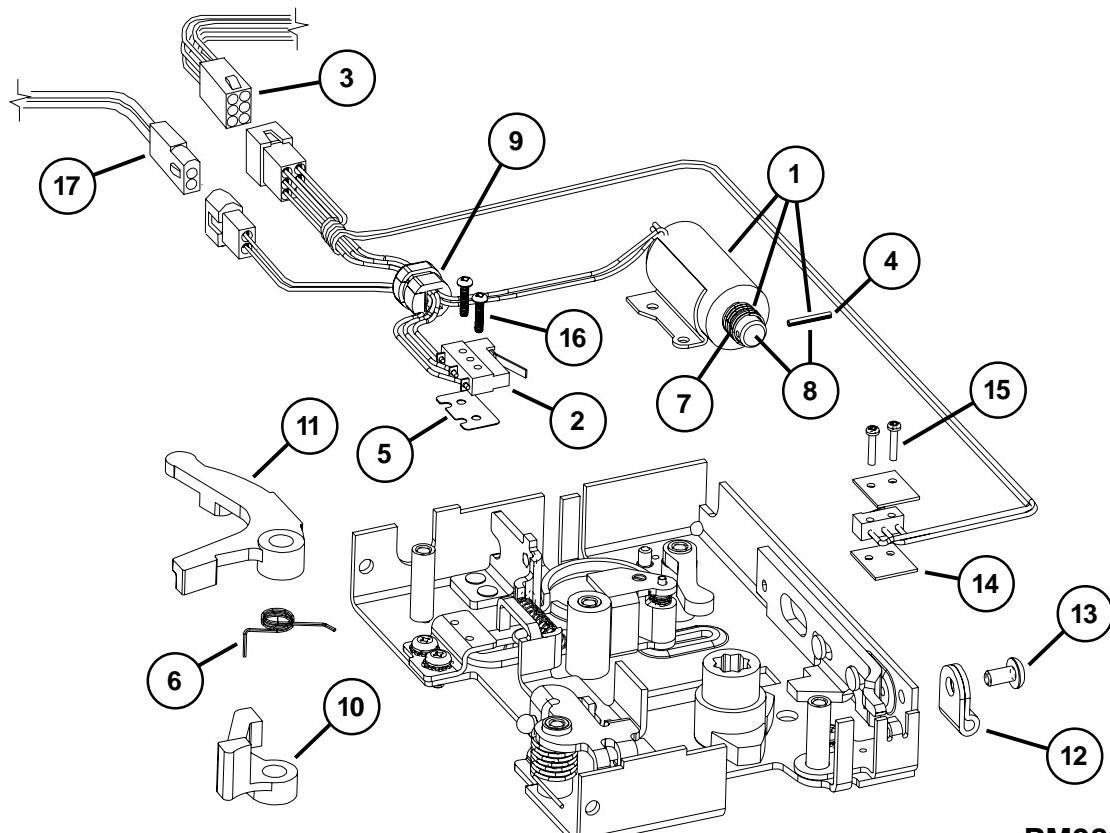
Item No.	Quantity	Part No.	Description	Finish
1	1	109347	7500 Auxiliary Bolt Link Sub-Assembly	
2	1	109773	7500 Latchbolt and Faceplate Sub-Assembly	
3	2	963080	7500 Scalp Plate - 8-32 x 3/8" FPHMS	X
4	4	963812	7500 Hsg. Cover - 8-32 x 3/8" UFPHMS	
5	2	963954	7500 Cyl. Set - 8-32 x 2" Fill SHMS	
6	1	963984	#8 SAE Flat Washer	
7	1	968668	7500 Auxiliary Bolt	
8	1	968748	7500 Deadlocking Spring	
9	1	968761	7500 Trim Bolt Retractor	
10	1	968762	7500 Trim Lock Actuator	
11	1	968763	7500 Thumb Latch Lift	
12	1	968765	7500 Knob Cam	
13	1	968766	7500 Scalp Plate - Aluminum	X
13	1	970872	7500 Scalp Plate - Brass	X
13	1	970873	7500 Scalp Plate - Bronze	X
14	1	968773	7500 Deadlock Release Arm	
15	1	968935	7500 Auxiliary Bolt Spring	
16	1	968939	7500 Latchbolt Collar	
17	1	969089	7500 Latch Return Spring	
18	1	969364	7500 Trim Lock Slide Spring	
19	1	969610	7500 Latch Return Spring Guide	
20	1	970188	7500 Trim Lock Spring Guide	
21	1	970318	7500 Crossbar Input Arm	
22	1	971822	7500 Housing Cover	
23	1	970735	7500 Stem Support	
24	2	964390	8-32 x 3/8" PPHTF Screw	
25	2	900532	7500 Lock Mounting Pkg	

X in "Finish" column designates finished items; finish must be specified when ordering.

E7500 MORTISE LOCK FAIL SECURE (F.S.E)

Item No.	Quantity	Part No.	Description	Finish
1	1	050212	E7500 Solenoid Replacement Kit 12VDC FSE	
1	1	050214	E7500 Solenoid Replacement Kit 24VDC FSE	
2*	1	050294	E7500 Switch Kit	
3	1	110744	E7500 Switch Connector Assembly	
4	1	963974	E7500 Roll Pin - 3/32 x 9/16"	
5	1	968770	E/SS 7500 Switch Insulator	
6	1	969107	E7500 Torsion Spring	
7	1	971320	E7500 Solenoid Spring	
8	1	113186	E7500 Plunger Assembly FSE	
9	1	966504	Wire Strain Relief	
10	1	970866	E7500 Thumb Latch Lift	
11	1	970318	7500 Crossbar Input Arm	
12	1	970596	E7500 Cable Clamp	
13	1	964558	E7500 Cable Clamp Screw	
14	2	970868	E7500 Switch Insulator	
15	2	964393	E7500 Switch Insulator Screw	
16	2	964269	E7500 Switch Wiring Assembly Screw	
17	1	114140	Hook Up Wire Assembly	

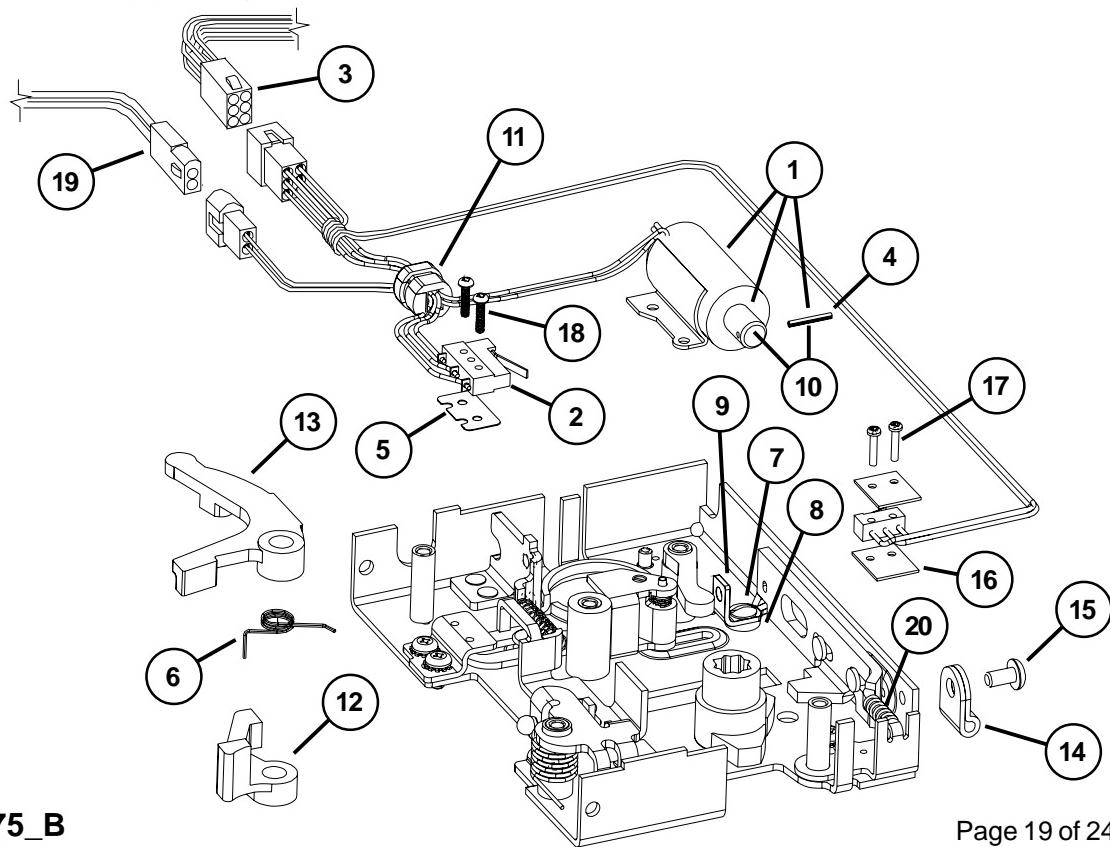
* Kit includes items 2 and 16 plus the switch wiring assembly (red/yellow/blue wires), switch assembly (white/gray/violet wires) and connectors.



E7500 MORTISE LOCK FAIL SECURE (F.S.)

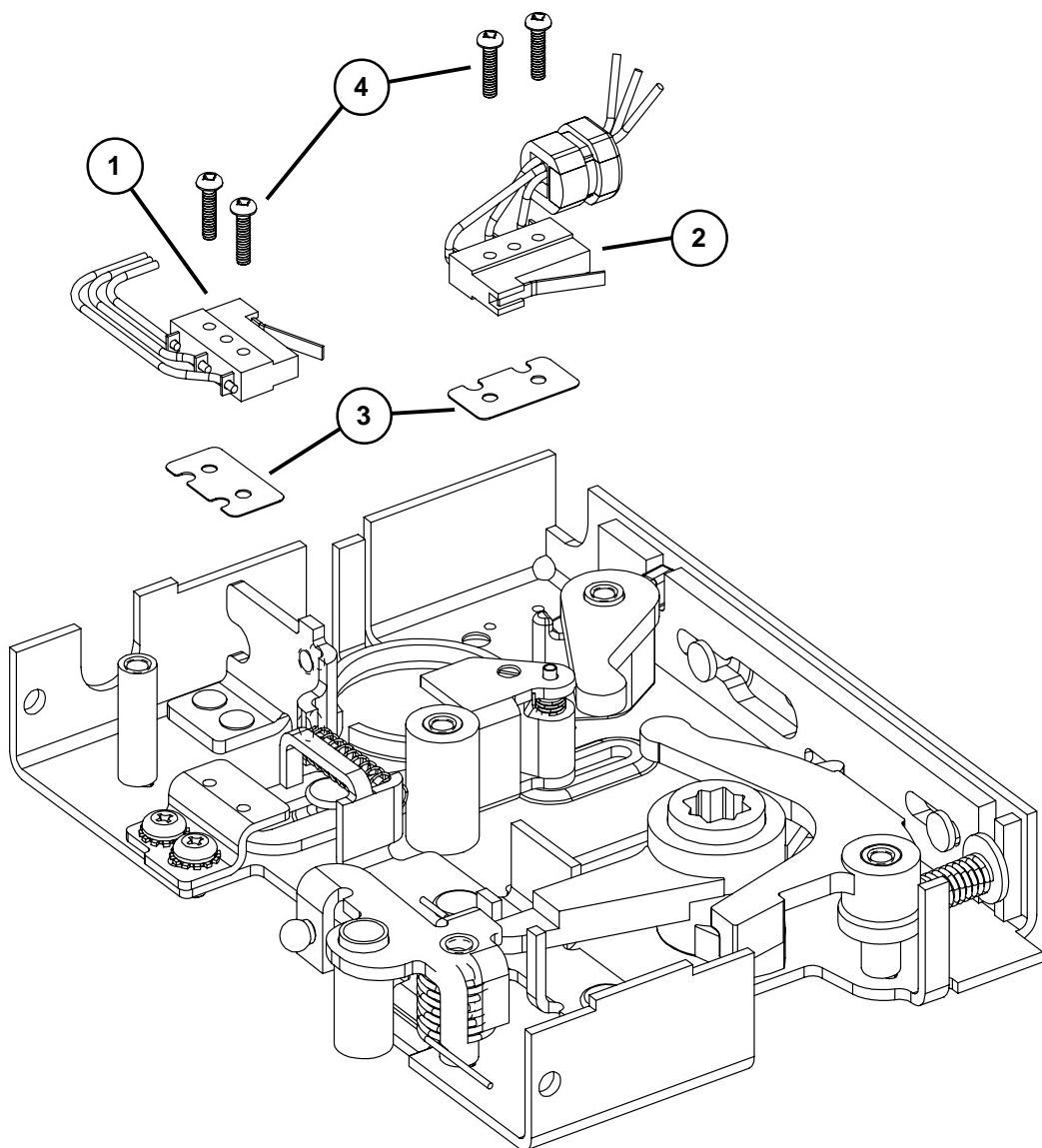
Item No.	Quantity	Part No.	Description	Finish
1	1	050213	E7500 Solenoid Replacement Kit 12VDC FS	
1	1	050215	E7500 Solenoid Replacement Kit 24VDC FS	
2*	1	050294	Switch Wiring Assembly (R/Y/B Wires)	
3	1	110744	E7500 Switch Connector Assembly	
4	1	963974	E7500 Roll Pin - 3/32 x 9/16"	
5	1	968770	E/SS 7500 Switch Insulator	
6	1	969107	E7500 Torsion Spring	
7	1	970861	E7500 Lever Screw	
8	1	970862	E7500 Lever Spacer	
9	1	972549	E7500 FS Trim Lock Lever	
10	1	113187	E7500 Plunger Assembly FS	
11	1	966504	Wire Strain Relief	
12	1	970866	E7500 Thumb Latch Lift	
13	1	970318	7500 Crossbar Input Arm	
14	1	970596	E7500 Cable Clamp	
15	1	964558	E7500 Cable Clamp Screw	
16	2	970868	E7500 Switch Insulator	
17	2	964393	E7500 Switch Insulator Screw	
18	2	964269	E7500 Switch Wiring Assembly Screw	
19	1	114140	Hook Up Wire Assembly	
20	1	970546	E7500 Trim Lock Slide Spring FS	

* Kit includes items 3 and 18 plus the switch wiring assembly (red/yellow/blue wires), switch assembly (white/gray/violet wires) and connectors.



SS7500 MORTISE LOCK

Item No.	Quantity	Part No.	Description	Finish
1	1	109658	Switch Wiring Assembly (R/Y/B Wires)	
2	1	109659	Switch Wiring Assembly (V/G/W Wires)	
3	2	968770	E/SS 7500 Switch Insulator	
4	4	964299	SS7500 Switch Wiring Assembly Screws	

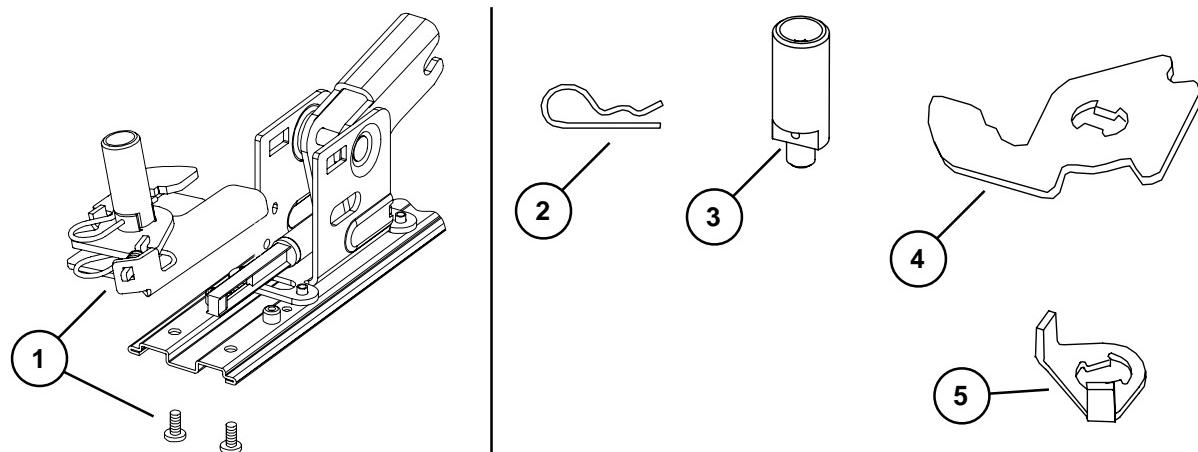


98/99 SERIES SERVICE REPLACEMENT ITEMS

Item No.	Quantity	Part No.	Description	Finish
1	1	050153	Old Style Hex Dogging Replacement Kit	
2	1	963909	#22 Hitch Pin - Hex/CD Dogging Old Style	
3	1	968112	Old Style Hex Dog Shaft	
4	1	969941	Old Style Dogging Hook	
5	1	968116	Old Style CD Actuator Arm	
6	1	900905	Old Style End Cap and Bracket Assembly	X
7	1	970548	Old Style Cover Plate Stop - End Cap	
8	1	900901	Old Style End Cap Screw Package	X
9	1	971082	Old Style 98/99 End Cap - Stainless Steel	X
9	1	971083	Old Style 98/99 End Cap - Brass	X
9	1	971084	Old Style 98/99 End Cap - Bronze	X
9	1	971085	Old Style 98/99 End Cap - Aluminum	X

X in "Finish" column designates finished items; finish must be specified when ordering.

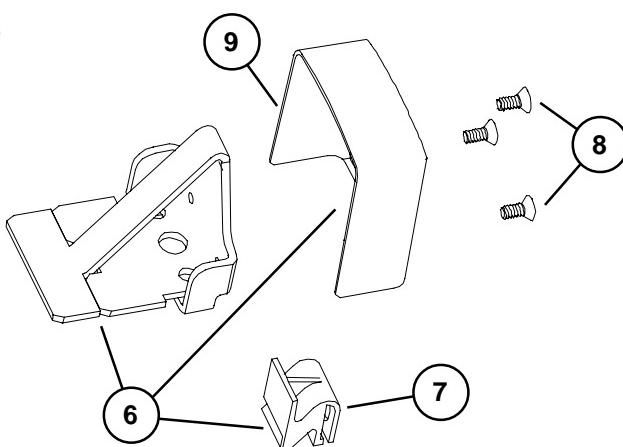
OLD STYLE DOGGING PARTS (FOR DEVICES SHIPPED BEFORE AUGUST 1997)



OLD STYLE END CAP PARTS

(FOR DEVICES SHIPPED BEFORE JANUARY 2002)

Note: Newer style end cap kit shown on pages 4-5. Newer style end cap kit can be used on devices manufactured before January 2002, but mechanism case and cover plate on hinge stile must have a square cut and a clean edge.



98/99 SERIES SERVICE REPLACEMENT ITEMS

Item No.	Quantity	Part No.	Description	Finish
1	1	050218	EL Solenoid Replacement Kit	

X in "Finish" column designates finished items; finish must be specified when ordering.

EL SOLENOID REPLACEMENT KIT (FOR DEVICES SHIPPED BEFORE JANUARY 1987)

Note: This kit replaces the old style EL solenoid parts with the new style.

